

REMARKS

Claims 1-9, 12, 13 and 15-26 are pending in the application. Claims 1-9, 12, 13 and 15-20 have been amended, and claims 10 and 11 have been cancelled by the present amendment. Claim 14 was previously cancelled. Claims 21-26 are newly added. Reconsideration of the rejection and allowance of the pending application in view of the following remarks are respectfully requested.

In the Office Action, the Examiner rejected claim 13 under 35 U.S.C. §102(b) as being anticipated by Seth-Smith et al. (U.S. Patent No. 4,829,569). Applicants respectfully traverse the rejection for at least the following reasons.

Applicants' independent claim 13 recites a computer readable medium that stores a reconstruction program for receiving multiplexed main contents data and sub contents data. The reconstruction program includes instructions for extracting an output form ID from the received sub contents data, determining an output form corresponding to the output form ID, and controlling reconstruction. Controlling reconstruction includes reconstructing the received sub contents data and storing the received main contents data in a memory, when the determined output form is a form for switching from display of main contents data to display of sub contents data, and reconstructing main contents data stored in a memory, when the determined output form is a form for switching from display of sub contents data to display of main contents data.

Seth-Smith is directed towards a communications system in which individual text messages can be transmitted to individual subscribers in a subscription television system. In the communication system, teletext information is assembled together with

video information. Beginning at col. 15, line 39, Seth-Smith discloses a decoder that displays a teletext message on a subscriber's television screen.

Applicants respectfully submit that Seth-Smith's decoder does not reconstruct a received teletext message and store received video information in a memory when a determined teletext message is a form for switching from display of video information to display of a teletext message, and reconstruct video information stored in a memory when a determined teletext message is a form for switching from display of a teletext message to display of video information.

Thus, Applicants respectfully submit that Seth-Smith fails to disclose or suggest a computer readable medium that stores a reconstruction program which includes instructions for controlling reconstruction, which includes reconstructing received sub contents data and storing received main contents data in a memory, when a determined output form is a form for switching from display of main contents data to display of sub contents data, and reconstructing main contents data stored in a memory, when a determined output form is a form for switching from display of sub contents data to display of main contents data, as recited in Applicant's independent claim 13.

For at least these reasons, Applicants respectfully submit that Seth-Smith does not anticipate the computer readable medium recited by Applicants' claim 13, and respectfully request the Examiner to withdraw the 35 U.S.C. §102(b) rejection and allow claim 13.

In the Office Action, the Examiner rejected claims 1-4, 10-12 and 15-20 under 35 U.S.C. §103(a) as being unpatentable over Seth-Smith et al. in view of Eda et al. (U.S.

Patent No. 5,760,820). Applicants respectfully traverse the rejection for at least the following reasons.

Applicants' independent claim 1 recites a broadcast system which includes, inter alia, a transmission device, and a reception device. The transmission device includes a multiplexer that multiplexes main contents data and sub contents data. The sub contents data includes an output form ID. The reception device includes a reconstructor which determines an output form corresponding to the output form ID, and controls reconstruction. Controlling reconstruction includes reconstructing the received sub contents data and storing the received main contents data in a memory, when the determined output form is a form for switching from display of main contents data to display of sub contents data, and reconstructing main contents data stored in a memory, when the determined output form is a form for switching from display of sub contents data to display of main contents data.

As discussed above, Seth-Smith's decoder does not reconstruct a received teletext message and store received video information in a memory when a determined teletext message is a form for switching from display of video information to display of a teletext message, and reconstruct video information stored in a memory when a determined teletext message is a form for switching from display of a teletext message to display of video information.

Applicants further submit that Eda, which is directed towards a digital transmission system, fails to overcome the deficiencies of Seth-Smith, discussed above.

Thus, Applicants respectfully submit that the combination of Seth-Smith and Eda fails to disclose or suggest a broadcast system which includes a reception device

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including a reconstructor which reconstructs sub contents data and stores main contents data in a memory, when a determined output form is a form for switching from display of main contents data to display of sub contents data, and reconstructs main contents data stored in a memory, when a determined output form is a form for switching from display of sub contents data to display of main contents data, as recited in Applicant's independent claim 1.

Applicants' independent claim 2 recites a transmission device which includes a multiplexer that multiplexes main contents data and sub contents data. The sub contents data includes an output form ID that indicates an output form of the sub contents data. The output form instructs a reception device to switch from display of main contents data to display of sub contents data or switch from display of sub contents data to display of main contents data.

Applicants respectfully submit that Seth-Smith and Eda do not disclose or suggest an output form which instructs a reception device to switch from display of main contents data to display of sub contents data or switch from display of sub contents data to display of main contents data.

Thus, Applicants respectfully submit that the combination of Seth-Smith and Eda fails to disclose or suggest a transmission device which includes a multiplexer that multiplexes main contents data and sub contents data, where the sub contents data includes an output form ID that indicates an output form of the sub contents data, and the output form instructs a reception device to switch from display of main contents data to display of sub contents data or switch from display of sub contents data to display of main contents data, as recited in Applicants' independent claim 2.

Applicants' independent claim 3 recites a reception device which includes a reconstructor which determines an output form, and controls reconstruction. Controlling reconstruction includes reconstructing sub contents data and storing main contents data in a memory, when the determined output form is a form for switching from display of main contents data to display of sub contents data, and reconstructing main contents data stored in a memory, when the determined output form is a form for switching from display of sub contents data to display of main contents data.

As discussed above, Applicants submit that the combination of Seth-Smith and Eda fails to disclose or suggest a reception device which includes a reconstructor that reconstructs sub contents data and stores main contents data in a memory, when a determined output form is a form for switching from display of main contents data to display of sub contents data, and reconstructs main contents data stored in a memory, when the determined output form is a form for switching from display of sub contents data to display of main contents data, as recited in Applicants' independent claim 3.

Applicants' independent claim 12 recites contents data in which main contents data and sub contents data are multiplexed. The sub contents data include an output form ID corresponding to an output form of the sub contents data and output contents data that indicate output contents, and the output form instructs a receiving device to switch from display of main contents data to display of sub contents data or switch from display of sub contents data to display of main contents data.

As discussed above, the combination of Seth-Smith and Eda fails to disclose or suggest contents data in which main contents data and sub contents data are multiplexed, where the sub contents data include an output form ID corresponding to an

output form of the sub contents data and output contents data that indicate output contents, and the output form instructs a receiving device to switch from display of main contents data to display of sub contents data or switch from display of sub contents data to display of main contents data, as recited in independent claim 12.

Applicants' independent claim 15 recites a broadcasting method which includes, inter alia, generating sub contents data, determining the output form of the sub contents data, and controlling reconstruction. Controlling reconstruction includes reconstructing sub contents data and storing main contents data in a memory, when the determined output form is a form for switching from display of main contents data to display of sub contents data, and reconstructing main contents data stored in a memory, when the determined output form is a form for switching from display of sub contents data to display of main contents data.

As discussed above, Applicants respectfully submit that the combination of Seth-Smith and Eda fails to disclose or suggest a broadcasting method which includes reconstructing sub contents data and storing main contents data in a memory, when a determined output form is a form for switching from display of main contents data to display of sub contents data, and reconstructing main contents data stored in a memory, when the determined output form is a form for switching from display of sub contents data to display of main contents data, as recited in independent claim 15.

Applicants' independent claim 16 recites a method for generating a transport stream which includes generating sub contents data, including an output form ID that indicates an output form of the sub contents data. The output form instructs a receiving

device to switch from display of main contents data to display of sub contents data or switch from display of sub contents data to display of main contents data.

As discussed above, Applicants respectfully submit that the combination of Seth-Smith and Eda fails to disclose or suggest a method for generating a transport stream which includes generating sub contents data, including an output form ID that indicates an output form of the sub contents, where the output form instructs a receiving device to switch from display of main contents data to display of sub contents data or switch from display of sub contents data to display of main contents data, as recited in Applicants' independent claim 16.

Applicants' independent claim 17 recites a method for reconstructing a transport stream which includes, inter alia, determining an output form of sub contents data, and controlling reconstruction. Controlling reconstruction includes reconstructing sub contents data and storing main contents data in a memory, when the determined output form is a form for switching from display of main contents data to display of sub contents data, and reconstructing main contents data stored in a memory, when the determined output form is a form for switching from display of sub contents data to display of main contents data.

As discussed above, Applicants respectfully submit that the combination of Seth-Smith and Eda fails to disclose or suggest a method for reconstructing a transport stream which includes reconstructing sub contents data and storing main contents data in a memory, when a determined output form is a form for switching from display of main contents data to display of sub contents data, and reconstructing main contents data stored in a memory, when the determined output form is a form for switching from

display of sub contents data to display of main contents data, as recited in Applicants' independent claim 17.

For at least these reasons, Applicants respectfully submit that the 35 U.S.C. §103(a) rejection of independent claims 1-3, 12 and 15-17 is improper, and respectfully request the Examiner to withdraw the rejection and allow claims 1-3, 12 and 15-17.

Dependent claims 4 and 18-20 are also submitted to be in condition for allowance at least in view of their dependency on independent claims 1-3.

In the Office Action, the Examiner rejected claims 5-9 under 35 U.S.C. §103(a) as being unpatentable over Seth-Smith et al. in view of Eda et al., and further in view of Lemmons et al. (U.S. Patent No. 6,442,755). Applicants respectfully traverse the rejection for at least the following reasons.

Applicants respectfully submit that Lemmons, which is directed towards an electronic program guide, fails to overcome the above-noted deficiencies of Seth-Smith and Eda. That is, Applicants respectfully submit that the combination of Seth-Smith, Eda and Lemmons fails to disclose or suggest a broadcast system which includes a reception device including a reconstructor which reconstructs sub contents data and stores main contents data in a memory, when a determined output form is a form for switching from display of main contents data to display of sub contents data, and reconstructs main contents data stored in a memory, when a determined output form is a form for switching from display of sub contents data to display of main contents data, as recited in Applicant's independent claim 1.

For at least these reasons, dependent claims 5-9, which depend from independent claim 1, are respectfully submitted to be in condition for allowance.

Applicants have added new dependent claims 21-26 for the Examiner's consideration. Claim 21 recites that controlling reconstruction further includes extracting defining information from the main contents data and storing the defining information in a memory when switching from display of main contents data to display of sub contents data, and reconstructing the main contents data stored in memory based on the stored defining information, when the determined output form is a form for switching from display of sub contents data to display of main contents data. Claim 22 recites that the defining information is time-stamp data. Applicants respectfully submit that these features are not disclosed or suggested by the applied prior art. The subject matter of new claims 23-26 correspond to the subject matter defined in claims 5-8, but depend from different claims.

Applicants respectfully submit that newly added claims 21-26 are in condition for allowance in view of their dependency on claims 2 and 3, as well as for the additional features they recite.

Based on the above, it is respectfully submitted that this application is now in condition for allowance, and a Notice of Allowance is respectfully requested.

SUMMARY AND CONCLUSION

Entry and consideration of the present amendment, reconsideration of the outstanding Office Action, and allowance of the present application and all of the claims therein are respectfully requested and now believed to be appropriate. Applicants have made a sincere effort to place the present invention in condition for allowance and believe that they have now done so.

Any amendments to the claims which have been made in this amendment, and

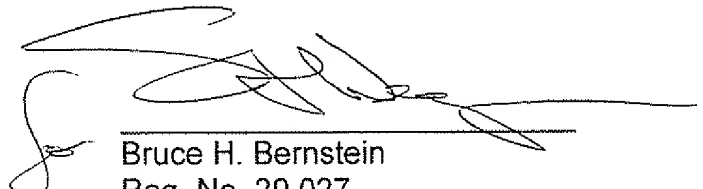
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which have not been specifically noted to overcome a rejection based upon the prior art, should be considered to have been made for a purpose unrelated to patentability, and no estoppel should be deemed to attach thereto.

Should an extension of time be necessary to maintain the pendency of this application, including any extensions of time required to place the application in condition for allowance by an Examiner's Amendment, the Commissioner is hereby authorized to charge any additional fee to Deposit Account No. 19-0089.

Should the Examiner have any questions or comments regarding this response, or the present application, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,
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